COPYRIGHT - 2008 - RAMOSMARTINEZ architects, inc.

DUNCENT TO EX.

DUNCENT TO EX.

DUNCENT TO EX.

DUNCENT TO STAKE THE CONTROLLER ESSA.

THE CONTRACTOR SAMUE BE ESSA.

THE SAMUE BE EXACTION OF ANY INC.

THE ESSA STATE SAMUE BE EXACTION OF ANY INC.

THE CONTRACTOR SAMUE BE EXACTION OF ANY INC.

THE CONTRACTOR SAMUE BE EXACTION OF ANY INC.

THE EXACTION OF A

A. VEHICLE TRAFFIC AREAS

PIPE SIZE 1/2" - 2-1/2"

B. NON-TRAFFIC AND NON-CULTIVATED AREAS

PIPE SIZE 1/2" - 1-1/4"

C. ALL PIPES UNDER SIDEWALKS, WHERE APPLICABLE, SHALL BE SLEEVED WITH PIPE MINIMUM

OF TWO SIZES LARGER THAN PIPE TRAVELING THROUGH IT.

3. MAKE ALL PIPE JOINTS AND CONNECTIONS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

4. IN NO CASE SHALL ONE IRRIGATION PIPE REST UPON ANOTHER. CO-MINGLING OR MIXING OF DIFFERENT TYPES OF PIPE ASSEMBLIES SHALL BE PROHIBITED.

5. THRUST BLOCKS MUST BE USED ON ALL GASKETED PVC SYSTEMS. THEY SHALL BE CONSTRUCTED OF CONCRETE, AND THE SPACE BETWEEN THE PIPE AND TRENCH SHALL BE FILLED TO THE HEIGHT OF THE OUTSIDE DIAMETER OF THE PIPE. SIZE THRUST BLOCKS IN ACCORDANCE WITH ASAE STANDARD S-376.1.

6. TRENCH BOTTOM MUST BE UNIFORM, FREE OF DEBRIS, AND OF SUFFICIENT WIDTH TO PROPERLY PLACE PIPE AND SUPPORT IT OVER ITS ENTIRE LENGTH. BACKFILL MATERIAL SHALL BE FREE FROM ROCKS OR STONES LARGER THAN 1-INCH IN DIAMETER.

7. ALL SLEEVES UNDER CONCRETE AND ASPHALT SHALL BE SCHEDULE 40 PVC; SLEEVES SHALL HAVE A MINIMUM OF 24" COVER. SLEEVES SHALL EXTEND 2" BEYOND THE EDGE OF SIDEWALK AND 3" BEYOND FROM THE PIPE AND THE PIPE AND THE PIPE AND THE P

A. PURPOSE
ALL MATERIALS AND INSTALLATIONS COVERED BY THE IRRIGATION CODE SHALL BE GOVERNING AGENCY TO VERIFY COMPLIANCE WITH THE IRRIGATION CODE.

DRAWN BY:

CTED BY THE

PIPE INSTALLATION
PIPE SHALL BE INSTALLED AT SUFFICIENT DEPTH BELOW GROUND TO PROTECT IT FROM HAZARDS SUCH
VEHICULAR TRAFFIC OR ROUTINE OCCURRENCES WHICH OCCUR IN THE NORMAL USE AND
UNTENANCE OF A PROPERTY. DEPTHS OF COVER SHALL MEET OR EXCEED SCS CODE 430-DD, WATER
UNVEYANCE, AS FOLLOWS:

SPRINKLERS, SPRAY HEADS, AND EMITTERS

1. SELECT UNITS AND NOZZLES IN ACCORDANCE WITH THE SIZE OF THE AREA AND THE TYPE OF PLANT MATERIAL BEING IRRIGATED. SPRINKLERS MUST FIT THE AREA THEY ARE INTENDED TO WATER WITHOUT EXCESSIVE OVERSPRAY ONTO ANYTHING BUT THE LANDSCAPED SURFACE. INTENTIONAL DIRECT SPRAY ONTO WALKWAYS, BUILDINGS, ROADWAYS, AND DRIVES IS PROHIBITED. ALL SPRINKLERS USED WITH EFFLUENT WATER SYSTEMS SHALL BE DESIGNATED FOR NON POTABLE USE BY EITHER LABEL OR BY THE INDUSTRY STANDARD COLOR PURPLE.

2. USE EQUIPMENT THAT IS PROTECTED FROM CONTAMINATION AND DAMAGE BY USE OF SEALS, SCREENS, AND SPRINGS WHERE SITE CONDITIONS PRESENT A POTENTIAL FOR DAMAGE.

3. SUPPORT RISER-MOUNTED SPRINKLERS TO MINIMIZE MOVEMENT OF THE RISER RESULTING FROM THE ACTION OF THE SPRINKLER.

4. SWING JOINTS, EITHER FLEXIBLE OR RIDGED, SHALL BE CONSTRUCTEDTO PROVIDE A LEAK-FREE CONNECTION BETWEEN THE SPRINKLER AND LATERALPIPELINE TO ALLOW MOVEMENT IN ANY DIRECTION CONNECTION BETWEEN TO DAMAGE.

VC PIPE AND FITTINGS . PVC PIPE SHOULD COMPLY WITH ONE OF THE FOLLOWING STANDARDS: ASTM D 1785, ASTM D-2241, .WWA C-900, OR AWWA C-905. SDR-PR PIPE SHALL HAVE A MINIMUM WALL THICKNESS AS REQUIRED BY .DR-26.

R-26.
ALL SOLVENT-WELD PVC FITTINGS SHALL, AT A MINIMUM, MEET THE REQUIREMENTS OF SCHEDULE 40 AS T FORTH IN ASTM D 2466.
T FORTH IN ASTM D 2466.
PVC FLEXIBLE PIPE SHOULD BE PRESSURE RATED AS DESCRIBED IN ASTM D 2740 WITH STANDARD ITSIDE DIAMETERS COMPATIBLE WITH PVC IPS SOLVENT-WELD FITTINGS.
PVC CEMENT SHOULD MEET ASTM D 2564. PVC CLEANER SHOULD MEET ASTM F 656.

VALVES

I. VALVES MUST HAVE A MAXIMUM WORKING PRESSURE RATING EQUAL TO OR GREATER THAN THE
MAXIMUM PRESSURE OF THE SYSTEM, BUT NOT LESS THAN 125 PSI. THIS REQUIREMENT MAY BE WAIVED
FOR LOW MAINLINE PRESSURE SYSTEMS (30 PSI OR LESS).

CONLY VALVES THAT ARE CONSTRUCTED OF MATERIALS DESIGNED FOR USE WITH THE WATER AND SOIL
CONDITIONS OF THE INSTALLATION SHALL BE USED.

B. CONTROL VALVE INSTALLATION

1. VALVE INSTALLATION SHALL ALLOW ENOUGH CLEARANCE FOR PROPER OPERATION AND MAINTENANCE.
2. CONTROL VALVE SIZE SHALL BE BASED ON THE FLOW RATE THROUGH THE VALVE. FRICTION LOSS
THROUGH THE VALVE SHOULD NOT EXCEED 10% OF THE STATIC MAINLINE HEAD.
3. AUTOMATIC IRRIGATION CONTROLLER. AUTOMATIC IRRIGATION CONTROLLERS MUST BE UL APPROVED AND HAVE AN ADEQUATE NUMBER OF STATIONS AND POWER OUTPUT PER STATION TO ACCOMMODATE THE IRRIGATION SYSTEM DESIGN. THE CONTROLLER SHALL BE CAPABLE OF INCORPORATING A RAIN SHUT OFF DEVICE TO OVERRIDE THE IRRIGATION CYCLE WHEN ADEQUATE RAINFALL HAS OCCURRED, AS REQUIRED BY FLORIDA STATUTES, SECTION 373.62.
4. AUTOMATIC CONTROL VALVE LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE PLACED AT OPTIMUM LOCATION FOR FUNCTION AND SERVICE AS FIELD CONDITIONS ALLOW. ALL VALVES SHALL BE INSTALLED USING SCHEDULE 80 PVC NIPPLES. ONLY THE ANGLE CONFIGURATION SHALL BE USED, NO PVC MALE ADAPTERS SHALL BE ALLOWED. QUICK COUPLERS SHALL BE INSTALLED WITH SCHEDULE 80 NIPPLES PROPERLY STAKED TO INCREASE STABILIZATION, CONTRACTOR SHALL PROVIDE A 55K-1 KEY AND SH-1 SWIVEL FOR QUICK COUPLER. IN ADDITION, CONTRACTOR SHALL PROVIDE THREE 2049 LOCKING COVER KEYS. EACH VALVE, NO MATTER WHAT SIZE. SHALL BE ENCLOSED IN A 12" RECTANGULAR AMETEC OR CARSON VALVE BOX INSTALLED FLUSH TO GRADE UNLESS OTHERWISE INSTRUCTED. FLOW ADJUSTMENT FEATURE OF VALVE SHALL BE USED TO BALANCE OPERATING AND VALVE CLOSING SPEED. PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTIM DESIGNATION D-2241,D-1794,TYPE 1120OR 1220 SCHEDULE 40 SOLVENT WELD TYPE. PIPE JOINTS FOR SOLVENTS SHALL BE BELED END. ALL LATERAL PIPE FITTINGS SHALL BE SHCHEDULE 40 PVC WITH SOLVENTS SHALL BE BELED END. ALL LATERAL PIPE REQUIREMENTS OF ASTIM DESIGNATION D-2241,D-1794.

PRESSURE TEST FORMULA LISTED BELOW.

3. THE MAIN LINE PIPE SHALL CONFORM TO THE REQUIREMENTS OF ASTIM DESIGNATION D-2241,D-1784.

TYPE 1120 OR 1220 CLASS 200 GASKET TYPE. RUBBER RINGS SHALL CONFORM TO ASTIM D-1869 AND F-477.

THE MAIN LINE FITTINGS SHALL BE DUCTILE IRON AS MANUFACTURED BY HARCO CORPORATION. FITTINGS SHALL HAVE PROVISIONS FOR EXPANSION AND CONTRACTION AND SHALL BE DESIGNED FOR PUSH-ON MAKEUP CONNECTION. A LUBRICANT APPROVED BY THE PIPE AND/OR FITTING MANUFACTURER SHALL BE CABLED FOR A PUSH ON CONNECTION AND SHALL BE DESIGNED FOR PUSH-ON MAKEUP CONNECTION. A LUBRICANT THE FITTINGS SHALL BE TORMULATED TO BE NON TOXIC, NOT SUPPORT BACTERIAL GROWTH, HAVE NO DETERIORATING EFFECTS ON THE GASKET MATERIAL, AND IS WATER SOLUBLE. IT SHALL BE THE REQUIREMENTS OF A PUSH ON CONNECTION. THE LUBRICANT TO THE BEVELED NOSE. PLACE PLAIN END IN THE CONPOSED SHALL BE TORMULATED DAY A GENEROUS COATING OF LUBRICANT TO THE EXPOSED GASKET SURFACE. CLEAN THE PLAIN END OF PIPE AND GRIND OR FILE SHARP EDGES, WHICH MIGHT DAMAGE THE GASKET SURFACE. CLEAN THE PLAIN END OF PIPE BELLED NOSE. PLACE PLAIN END IN THE COMPANION BELL AND PROVIDE REASONABLY STRAIGHT ALIGNMENT, PUSH PIPE STRAIGHT HOME WITH THE AID OF A BAR OR MORE POWERFUL MEANS. CHECK THE BEVELED NOSE. PLACE PLAIN END IN THE COMPANION BELL AND PROVIDE REASONABLY STRAIGHT PLACE THE CONCRETE MIX SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN 2500 PSI, PLACE THE THRUST BLOCKS SHALL BE INSTALLED AT ALL DIRECTIONAL CHANGES IN THE GASKET-PIPING NETWORK.

THE CONCRETE MIX SHALL HAVE A COMPRESSIVE STRENGTH NOT LESS THAN 2500 PSI, PLACE THE THRUST BLOCKS AND THE FITTING SOLD FOR THE FITTING CODE, PLACE THE THRUST BLOCKS AND THE FITTING SOLD FOR THE THRUST BLOC

RE INSTALLED ON SHOULD BE JUST SPRINKLERS

CROSS CONNECTION CONTROL AND BACKFLOW PREVENTION.
PUBLIC OR DOMESTIC WATER SYSTEMS: CHECK THAT AN APPROVED BACKFLOW PREVENTION ASSEMBLY PROPERLY INSTALLED AND FUNCTIONING CORRECTLY. REVIEW THE LOCATION OF THE ASSEMBLY TO HECK THAT IT IS NOT CREATING A HAZARD TO PEDESTRIANS OR VEHICULAR TRAFFIC.
WATER SYSTEMS OTHER THAN PUBLIC OR DOMESTIC WATER SYSTEMS: CHECK THAT THE PROPER ACKFLOW PREVENTION ASSEMBLIES ARE PROVIDED.
ALL ASSEMBLIES THAT CAN BE, WILL BE TESTED BY A CERTIFIED TECHNICIAN PRIOR TO BEING PLACED = NLOWABLE LEAKAGE (GPH), = NUMBER OF JOINTS, = NOMINAL DIAMETER OF PIPE (INCHES), = AVERAGE TEST PRESSURE (PSI), AND = LENGTH OF PIPE (FT).

BARBED MULTI OUTL 四

All ideas, designs and details indicated or represented by this drawing, created and developed for use on this project, are owned by, and are legal property of RamosMartinez Architects, Inc. Use, reproduction, distribution or alteration is prohibited without written authorization from the Architect

DRIPLINE **9** GRAD

1/2-INCH POLYETHYLENE PIPE: RAIN BIRD XBS BLACK STRIPE TUBING MULTI-OUTLET EMITTER: RAIN BIRD XERI-BUG

3/4"

CONTROL

NSTRIBUTION TUBING 025

SCH 80 NIPPLE 2-INCH LENGTH, F ND PVC SCH 40 I SCH 40 TEE OR

40

2)

-1/4-INCH TUBING: 1/4-INCH POLYETHYLENE DISTRIBUTION T RAIN BIRD PT-025 OR 1/4-INCH VINYL DISTRIBUTION TUBING RAIN BIRD DT-025

1/4-INCH TUBING STAKE: RAIN BIRD TS-025

NSERT FITTING: RAIN BIRD
1/4-INCH SELF-PIERCING
BARB CONNECTOR SPB-025

/2-INCH POLYETHYLENE TUBING: RAIN BIRD XBS BLACK STRIPE TUBING

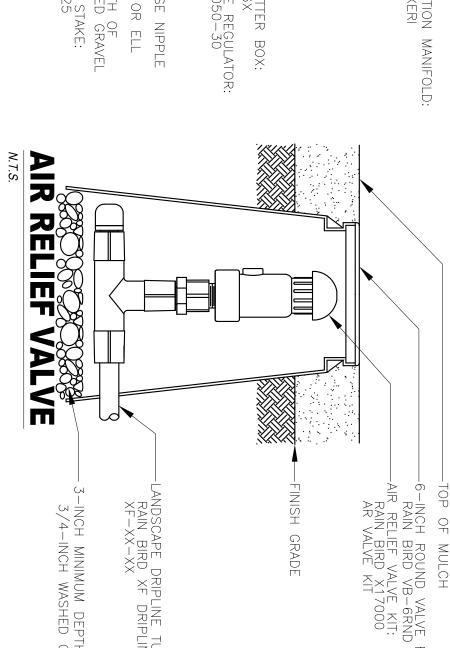
INISH GRADE

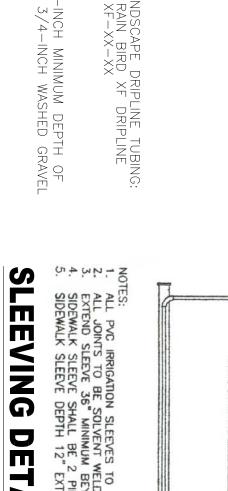
PRESSURE VACUUM BREAKER IRRIGATION

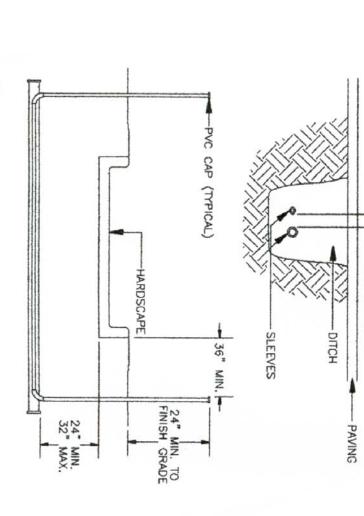
DIL

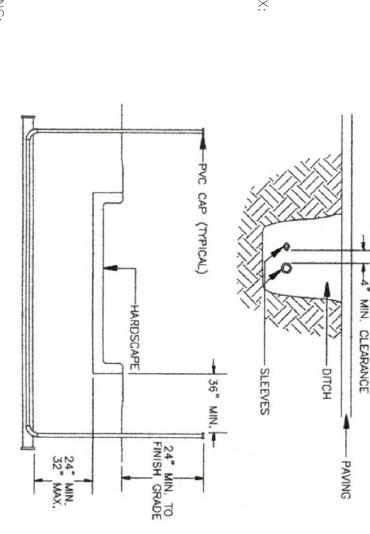
6" CONC. SLAB #4 @12" E.W.

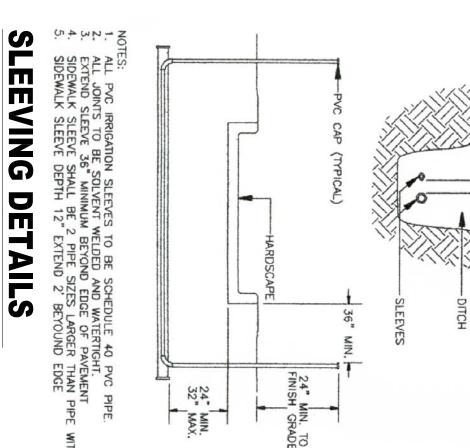
OUTLET MANIFOLD PVC SCH 80 CLOSE NIPPLE PVC SCH 40 TEE OR ELL











First Haitian Free Church of Nazarene by Faith

RAMOSMARTINEZ

SLAB

X

521 N.W. 12th AVENUE MIAMI, FL 33136

FACSIMILE:

305-548-3006 305-548-3220

NEW YORK 11 ERIE STREET JERSEY CITY, NJ 07302

308 SOUTH ORANGE BLOSSOM TRAIL ORLANDO, FLORIDA

LANDSCAPE

_ = S D P / 133,200 PVC, GASKETED JC

= N D P

LAYOUT AND SPACING: THIS INSPECTION WILL VERIFY THAT THE IRRIGATION SYSTEM DESIGN ILY INSTALLED IN THE FIELD. IT WILL ALSO PROVIDE FOR ALTERATION OR MODIFICATION OF TO MEET FIELD CONDITIONS. TO PASS THIS INSPECTION, SPRINKLER/EMITTER SPACING VITHIN + 5% OF THE DESIGN SPACING.

**LLATION DEPTH: ALL PIPES IN THE SYSTEM SHALL BE INSTALLED TO DEPTHS AS PREVIOUSLY N THIS CODE.

INTHIS CODE.

**INTHIS CODE CONTROL OF THE ZONE VALVES AS FOLLOWS:

OMPLETELY INSTALLED PIPELINE SLOWLY WITH WATER TO EXPEL AIR. ALLOW THE PIPE TO SITER FOR 24 HOURS TO DISSOLVE REMAINING TRAPPED AIR.

TEST CLOCK